

# Martin Nguyen

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## EDUCATION

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### University of Toronto

*Honours Bachelors of Science in Computer Science (Expected)*

Mississauga, ON

April 2028

## TECHNICAL SKILLS

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**Languages:** Python, Java, Dart, HTML, CSS, JavaScript

**Tools:** Flutter, Streamlit, OpenCV, Mediapipe, GraphQL, Codemagic, Xcode, VSCode, PyCharm

**Soft Skills:** Team Leadership, Communication, Mentorship, Problem-Solving

## PROJECTS

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### SurveilOne Mobile Dashboard | *Flutter, GraphQL, Codemagic*

Aug 2025

- Developed a product monitoring dashboard with multi-API integration (signin, alerts, product licenses, product status).
- Implemented dynamic UI components and reusable widgets for product navigation and alert management.
- Automated TestFlight deployment using Codemagic with manual provisioning profile setup.

### NorthStar – Safe Navigation Web App | *React.js, Mapbox, Node.js, Google Street View API*

June 2025

- Built a smart navigation platform that visualizes crime hotspots and risk zones using real Toronto crime data.
- Integrated Mapbox GL JS for dynamic heatmaps and route visualization with toggleable crime types.
- Designed a risk-scoring algorithm inspired by urban crime research to calculate hazard levels (0–100) for map locations.

### AI-Powered Presentation Assistant | *Python, OpenCV, Mediapipe, Streamlit*

Jan 2025

- Developed an AI-driven tool that provides real-time feedback on presentation skills by analyzing body language
- Implemented body tracking features using Mediapipe and OpenCV to monitor head movement, hand gestures, and posture stability.
- Achievement: Won a challenge at QHacks 2025.

## EXPERIENCE

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### Mobile Developer (Flutter, GraphQL)

July 2025 – Present

*SurveilOne Inc*

*Remote*

- Built and maintained production-level Flutter apps for iOS and Android integrating multiple GraphQL APIs.
- Implemented login authentication, alert management, and product status dashboards with dynamic UI logic.
- Collaborated with backend developers to debug API responses and optimize GraphQL query performance.
- Configured Codemagic for automated TestFlight deployment with manual provisioning profiles and Apple code signing.

### Signal Operator (Reserve)

June 2025 – Present

*32 Signal Regiment, Canadian Armed Forces*

*Toronto, ON*

- Trained to operate, install, and maintain secure wired and wireless communication systems, supporting reliable information flow within military operations.
- Responsible for configuring and troubleshooting voice and data systems, ensuring mission-critical communication reliability in the field.
- Gaining hands-on experience with radio, satellite, and broadband networks, including fibre optic and copper wire technologies.
- Participating in Basic Military Qualification (BMQ) and Basic Occupational Training to develop discipline, teamwork, and operational readiness.

### Expedition Team Leader Staff Cadet

June 2024 – Aug 2024

*Warrant Officer, Blackdown Cadet Training Centre*

*Borden, ON*

- Trained 70+ cadets in critical outdoor survival skills, including shelter building, fire starting, and navigation
- Managed \$1,000+ worth of equipment and supplies, ensuring 100% accountability and readiness for all activities.
- Selected as Warrant Officer from a competitive pool of 26 candidates, recognizing top-tier leadership and teaching skills.